

Patent # 7,924,600

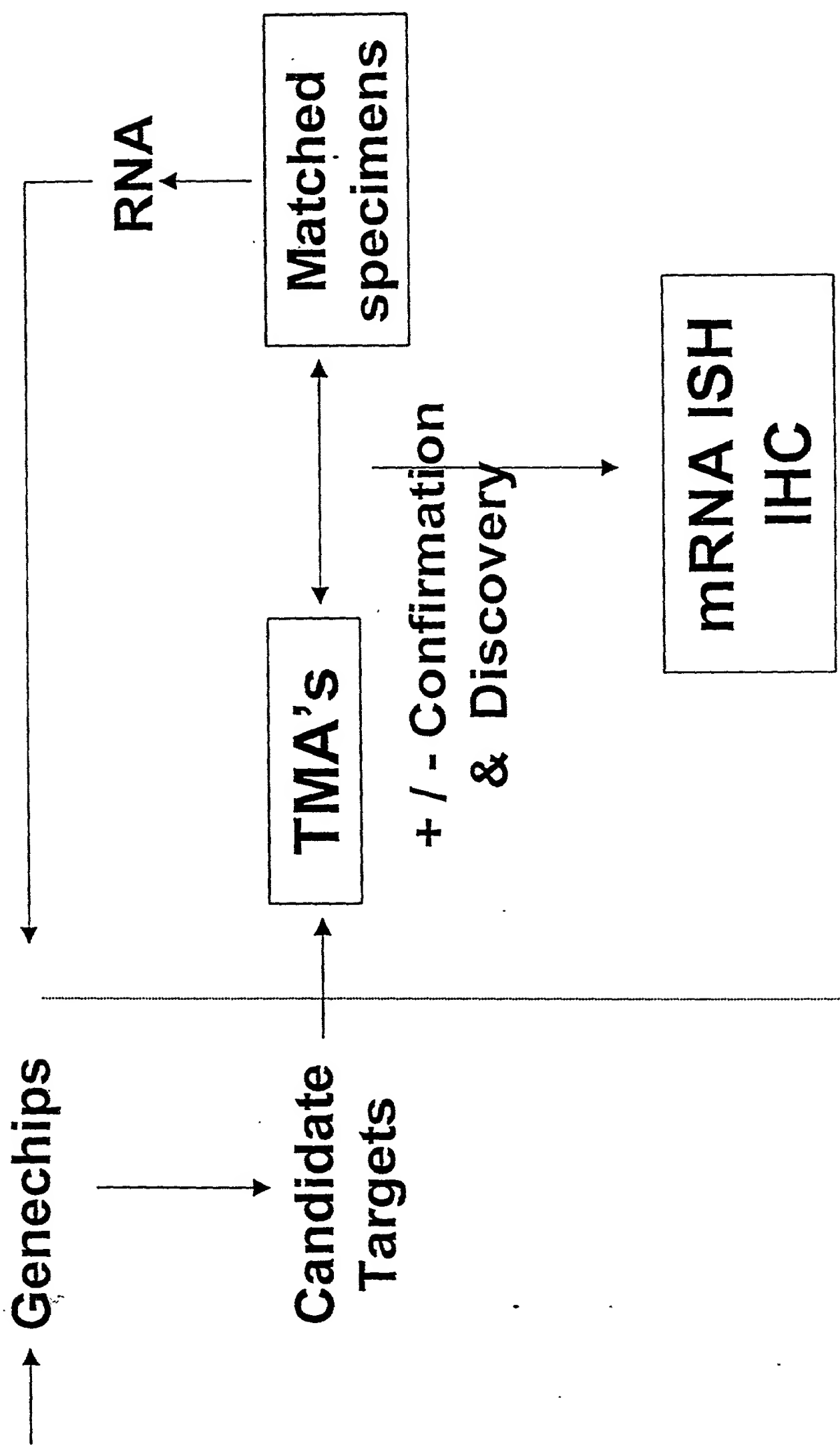
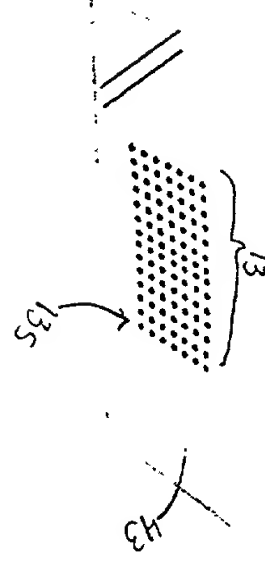
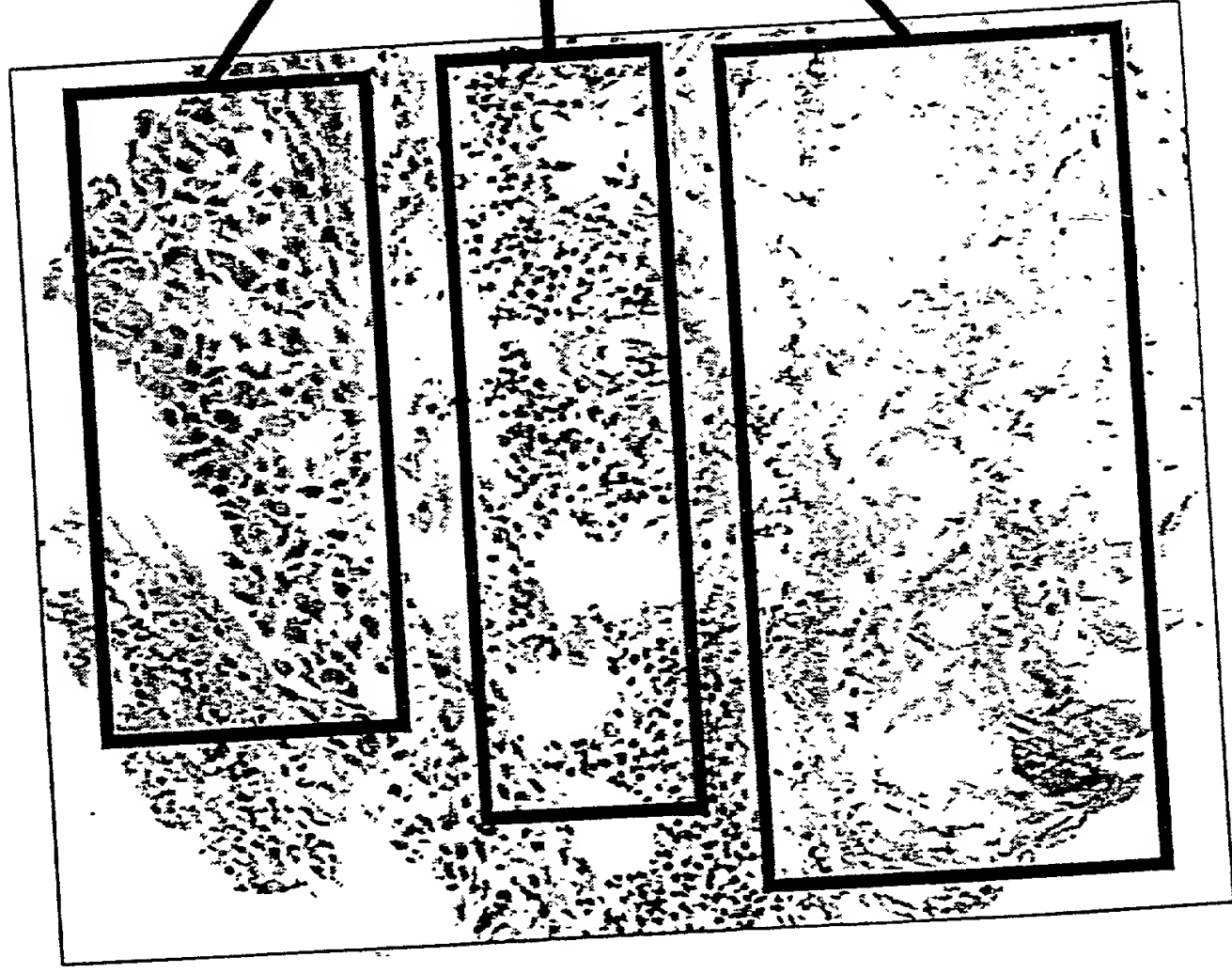


FIG. 1A

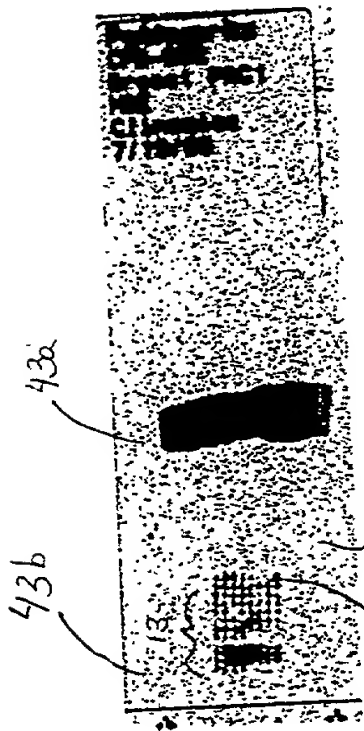
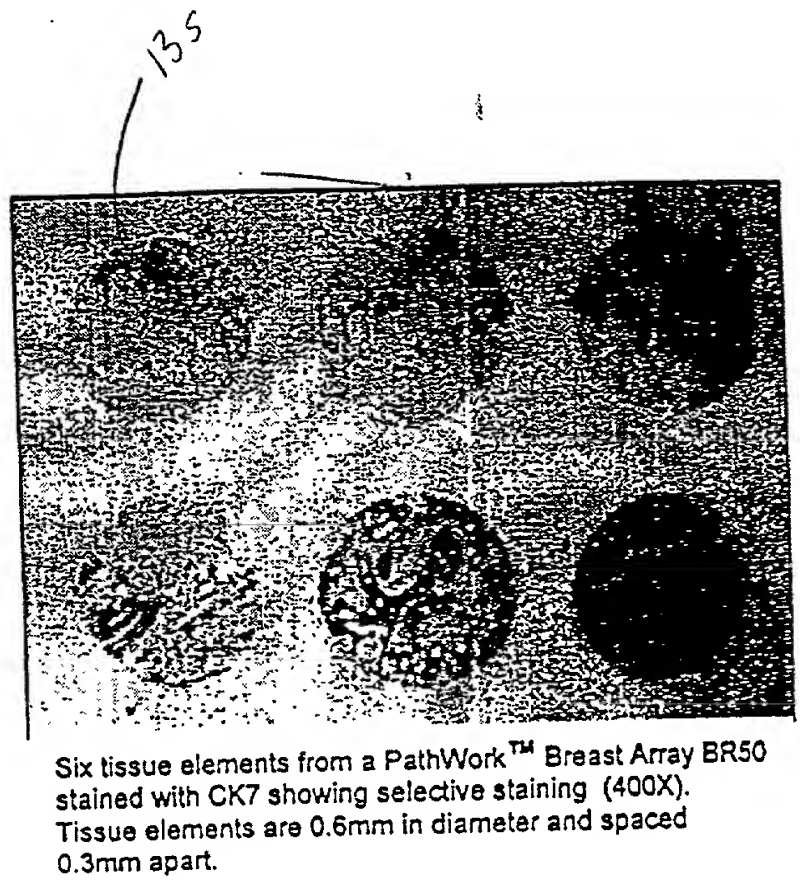
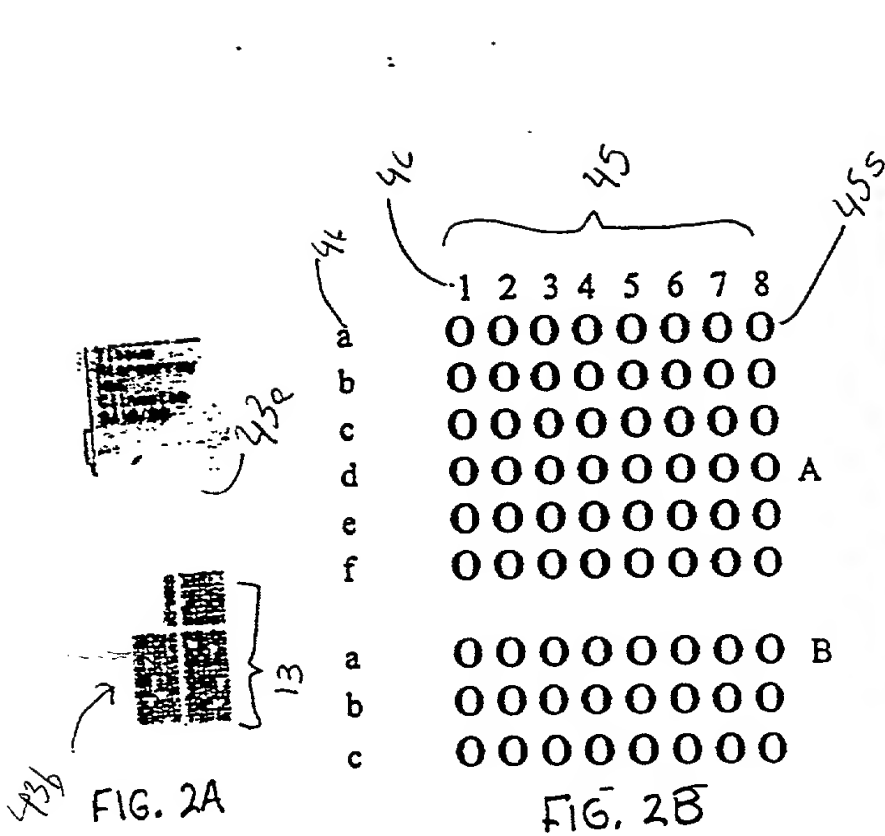
Validation - phase I

- verification of initial ---
- screening results
- establish cellular -----
- localization & anatomic
- distribution



50-200
series basic
arrays

FIG. 1B



Sample Data Sheet Information (for one tissue element, located at A1a)
provided with every pathWorks™ Tissue MicroArray

Cat. #	BR50	Mitoses:	1
Lot #	07	PT:	1
Coordinates:	A1a	pN:	0
Organ:	Breast	LN pos	0
Category:	Breast cancer, ductal	LN all	23
Sex:	F	Tumor dia.	15
Age:	67	Surgery:	mastectomy
BRE Grade:	G2		
Tubuli:	3		
Polymorphy:	3		

FIG 2E



Tissue MicroArrays

- Development of population databases
- High-throughput in situ analysis of DNA, RNA and protein
- Discovery of diagnostic and prognostic correlations
- Target prioritization

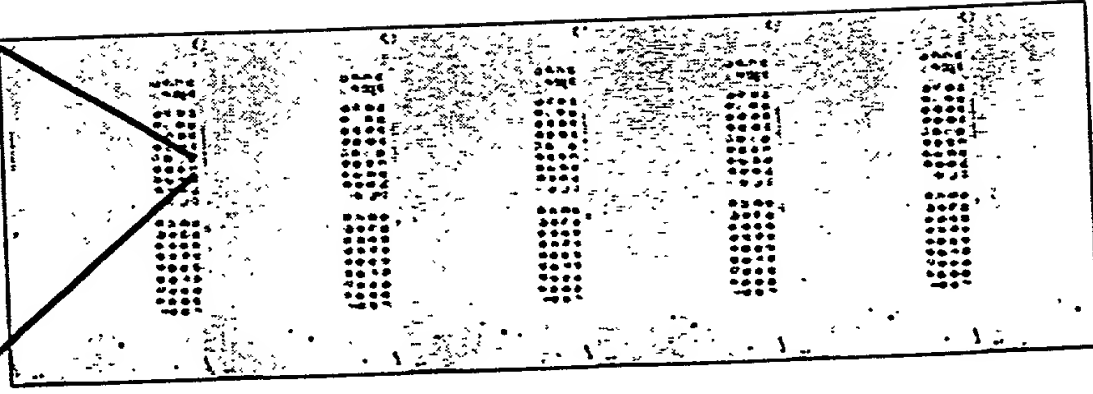


FIG. 3

The Clinomics Biorepository

4

Biorepository Database

coordinates on array	histology	BR/grade	tumor diameter	pT/pN	nodes examined	nodes pos	censor	months survival	age	horm/therapy	chemo/therapy	preop/demoh
	ductal	1					0	58	33			
	micro	1	90	3	1	40	28	78	43	no	yes	no
	ductal	2	60	3	2	10	6	29	54	yes	no	no
	ductal	1	20	1	0	8	0	96	55	no	no	no
	ductal	1	30	4	1	9	2	64	70	yes	no	no
	ductal	1	30	4	1	14	8	43	44	no	yes	no
	ductal	1	10	1	1	11	2	12	51			
	ductal	3	22	2	1	16	3	107	64	yes	no	no
	ductal	3	30	2	3	4	4	21	48			
	ductal	3		3	2		0	28	49			
	ductal	2	40	2	1	13	5	55	69			
	ductal	1	40	2	2	12	9	73	44			
	ductal	2	30	4	2	10	7	85	70			
	ductal	3	30	4	0	14	0	80	79	no	no	no

Medication and treatment histories, with outcomes, and expression profiles

FIG. 4B

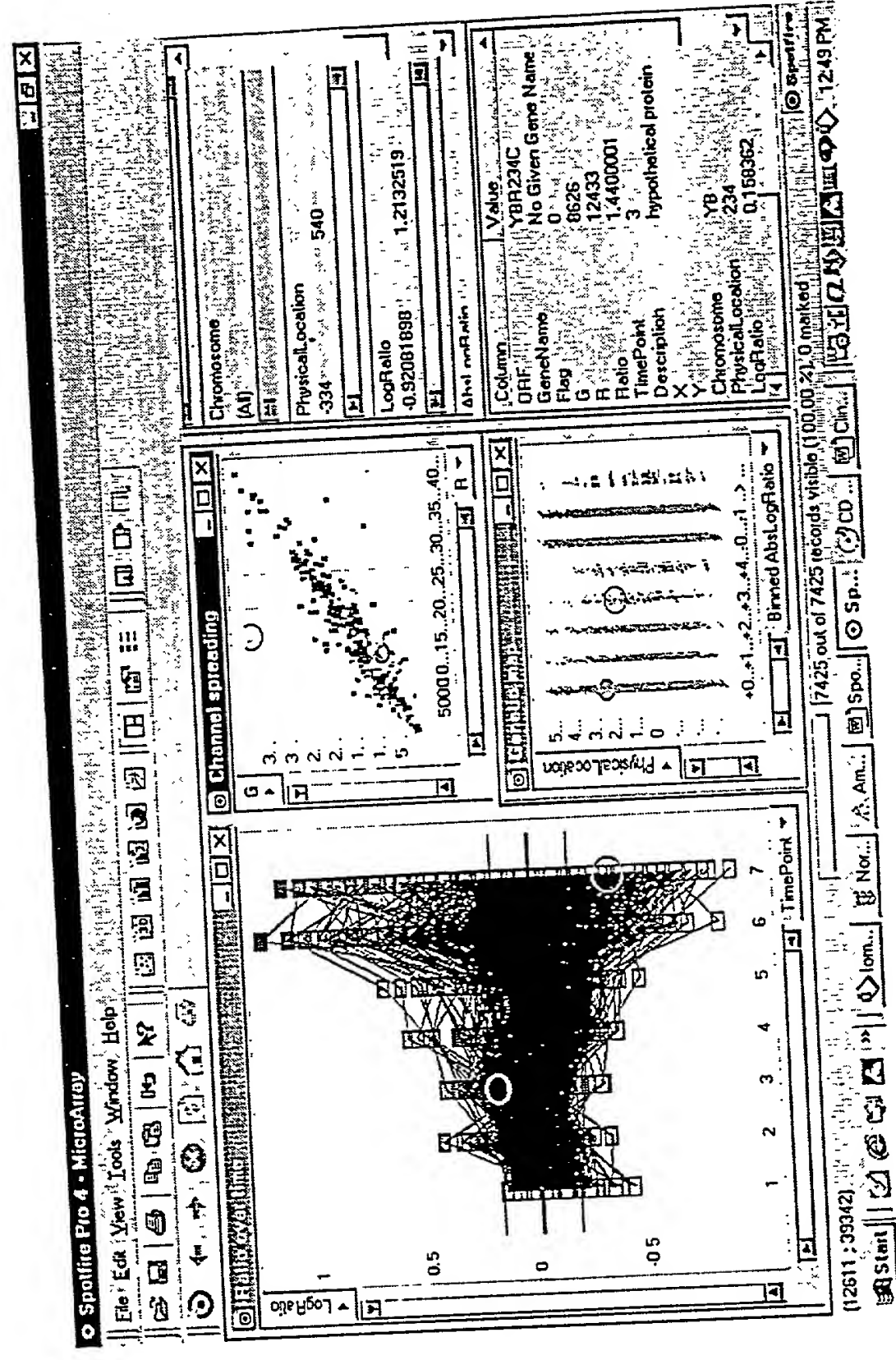
CLINOMICS

Biorepository Database

Sorting and selection of patient populations

Clustering analysis

Development of expression profiles vs. medical data



Clustering analysis

CLINOMICS

FIG. 4C

FIG. 5

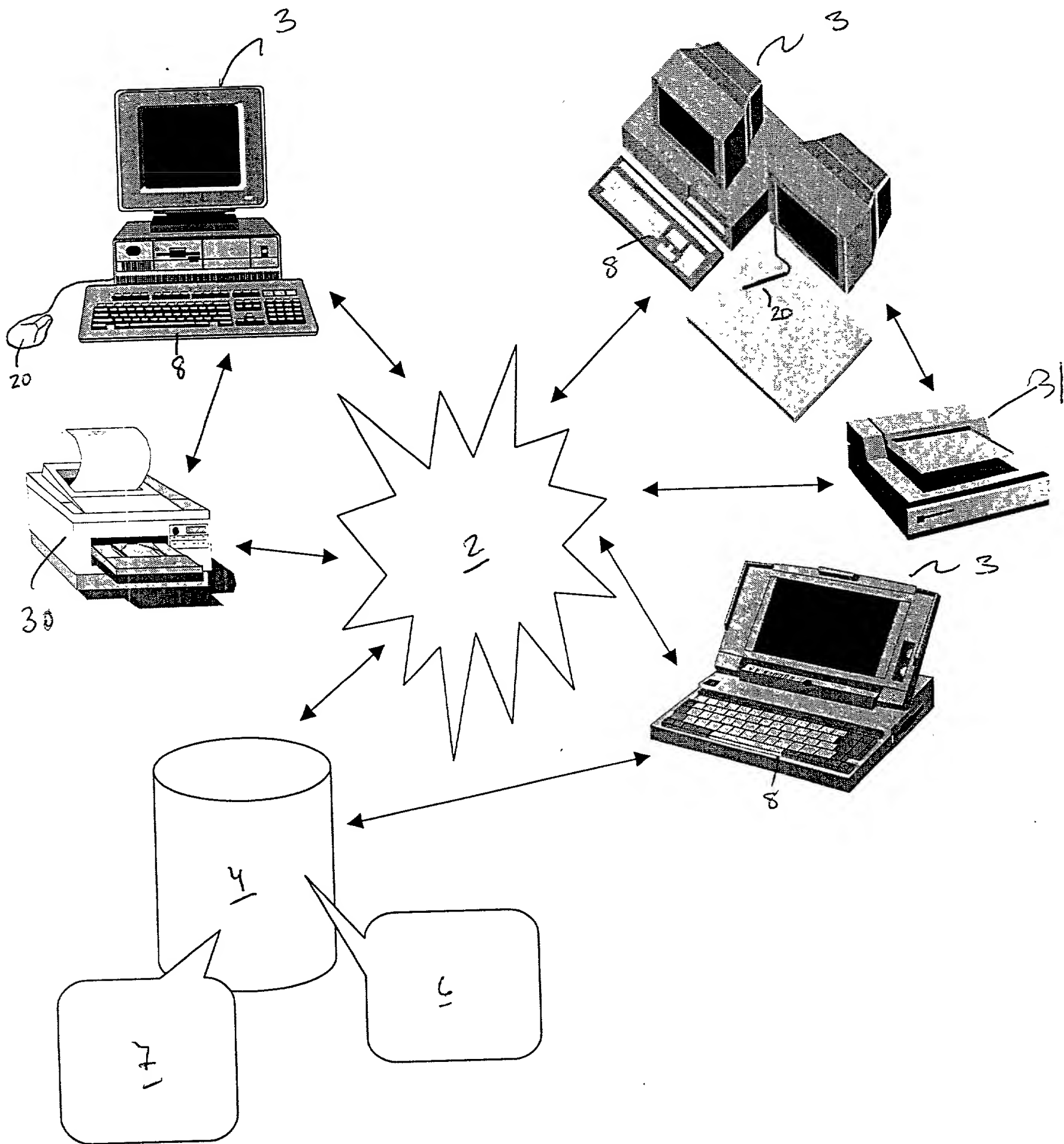


FIGURE 5

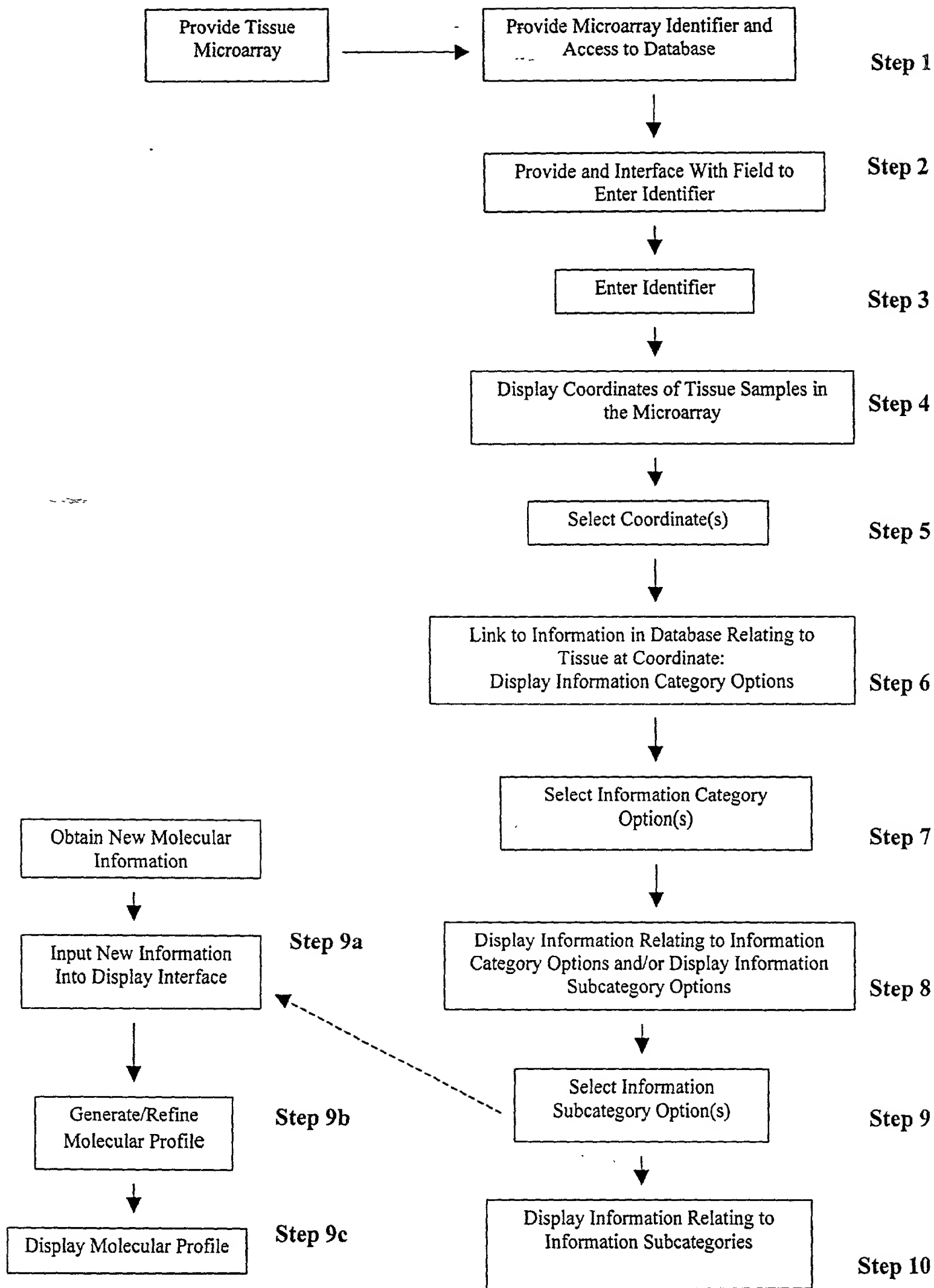


FIG. 6

2025 RELEASE UNDER E.O. 14176

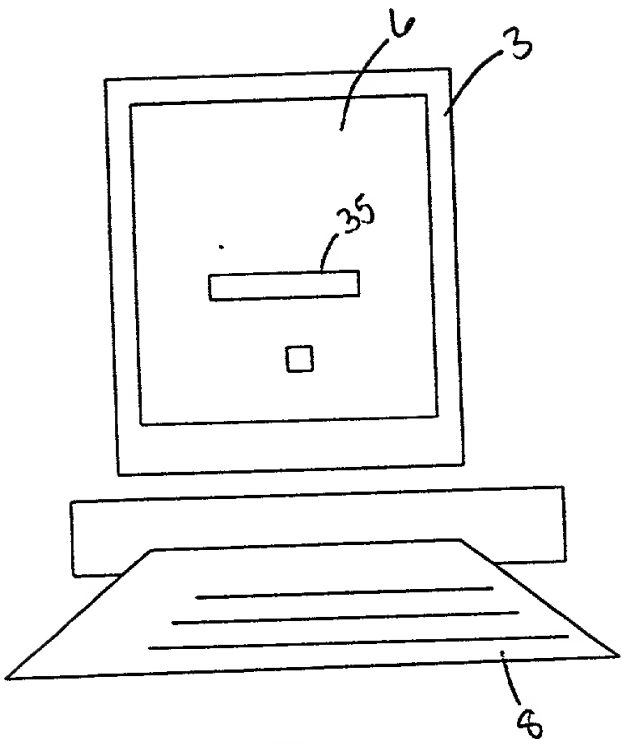


FIG. 7A

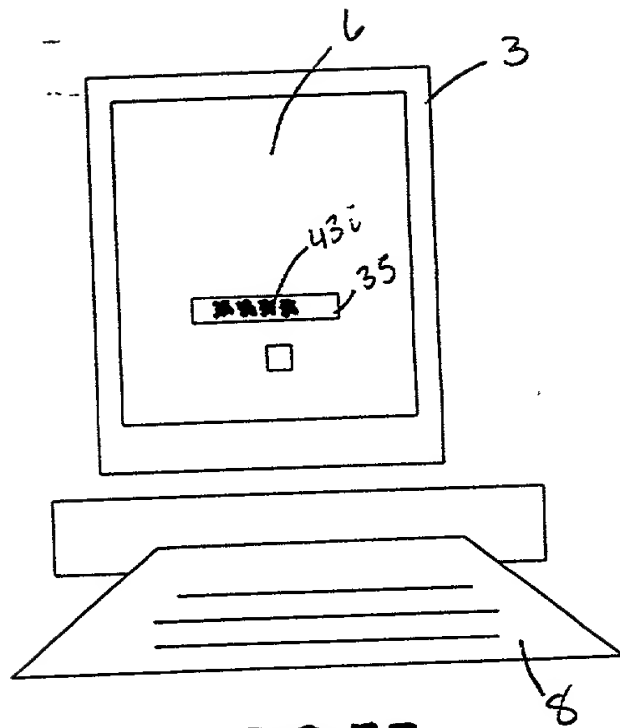


FIG. 7B

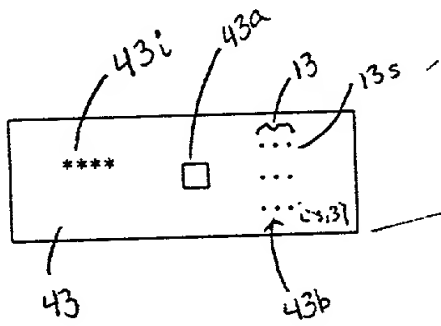


FIG. 7C

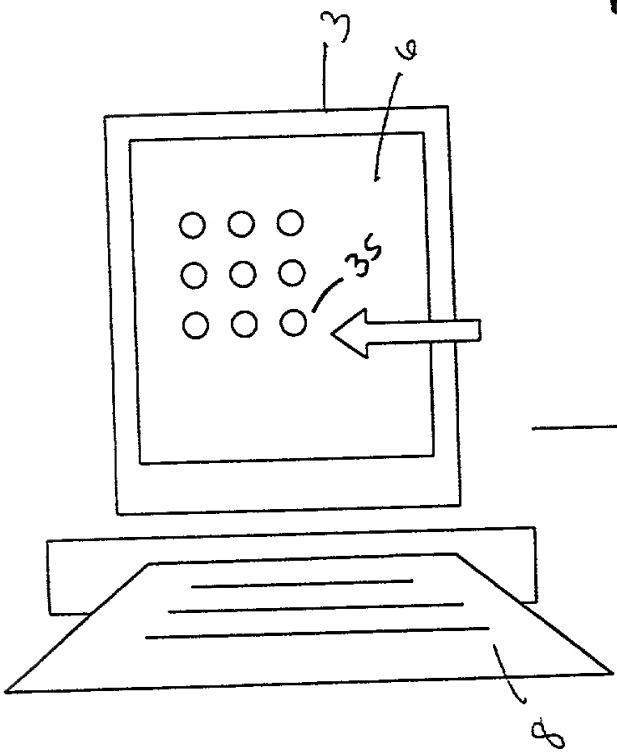
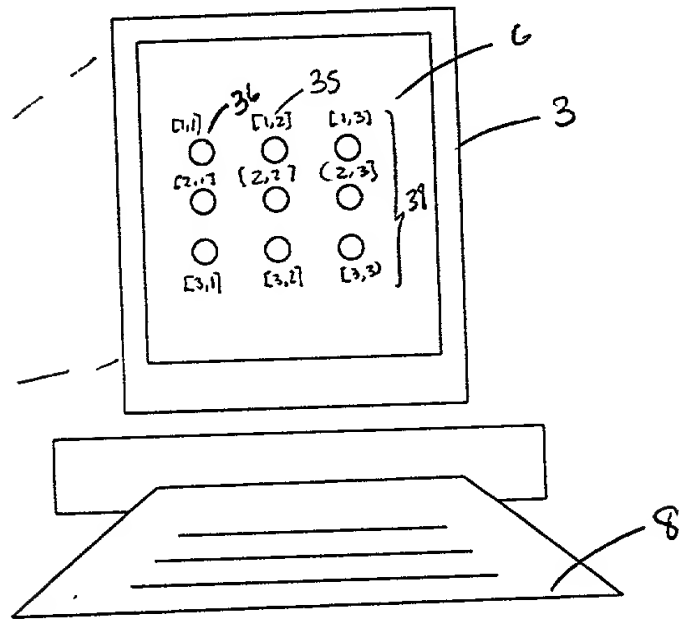


FIG. 7D

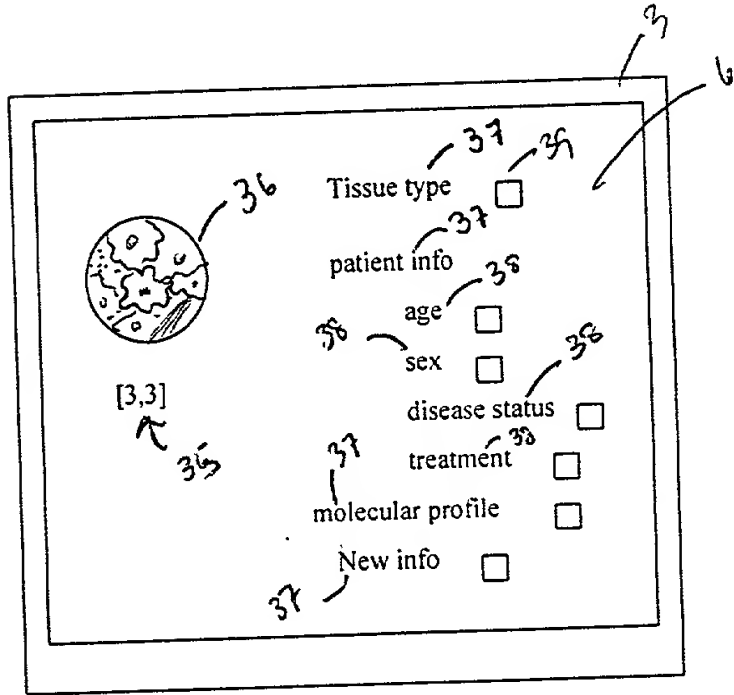
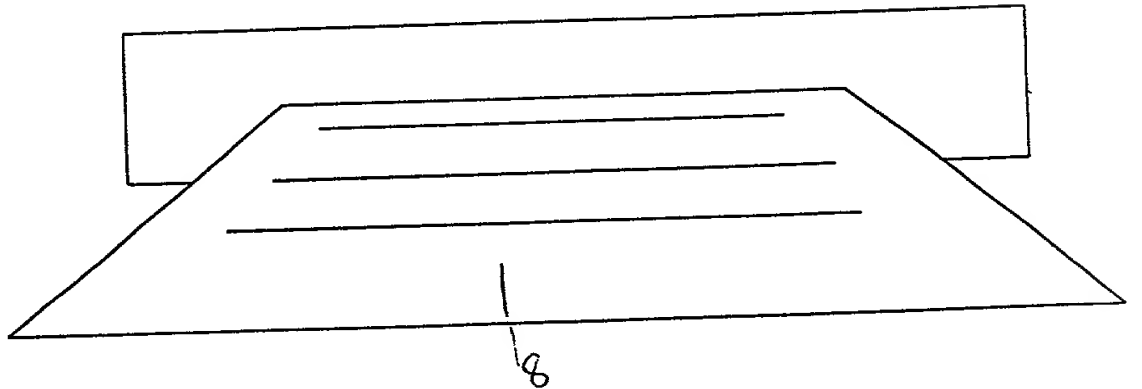


FIG. 7E



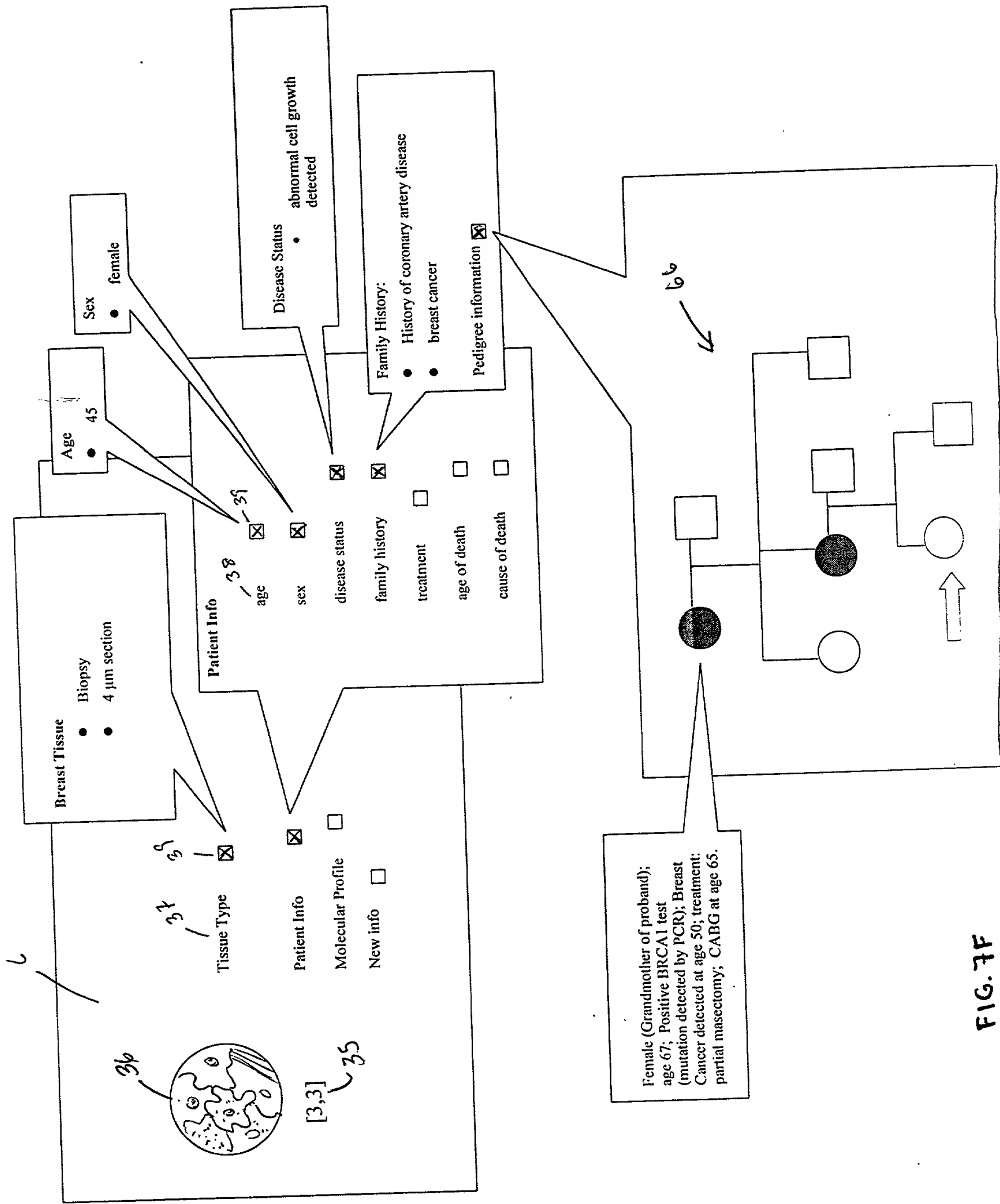


FIG. 7F

32

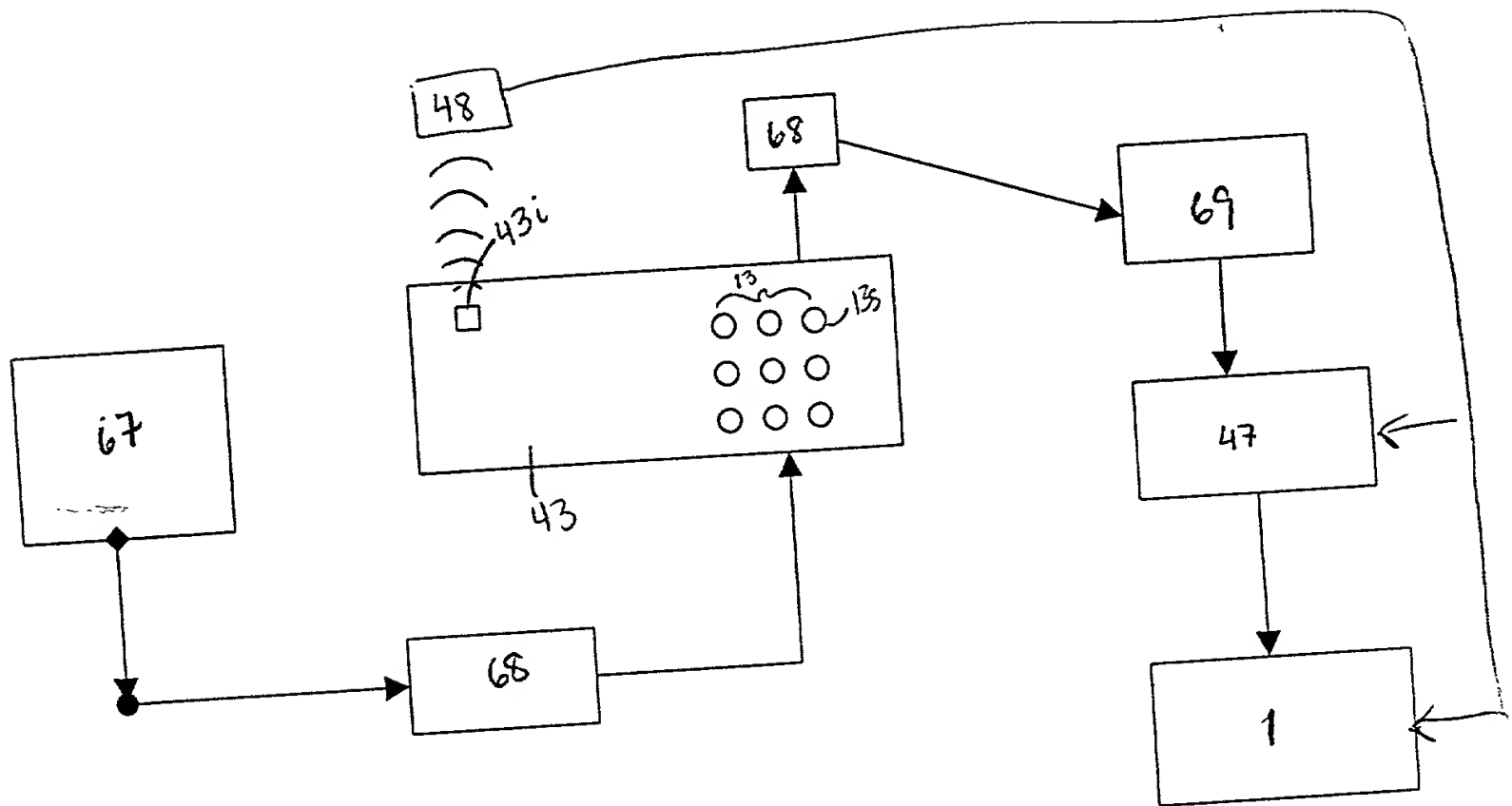


FIGURE 8

FIG. 9

17

Order Form

Tissue Type

- brain ☒
- lung ☐
- heart ☐
- liver ☐
- spleen ☐
- pancreas ☐
- stomach ☐
- colon ☐
- kidney ☐
- ureter ☐
- urethra ☐
- prostate ☐
- ovaries ☐
- testes ☐
- eyes ☐
- tongue ☐
- trachea ☐
- skin ☐

Billing Information

Cerebellum-
medulla
cortex

normal
cancer
Parkinson's disease
Canavan's disease
ALS

Other parameters

Submit

NAME>
TITLE>
COMPANY_NAME>
STREET_ADDRESS>
STATE_OR_PROVINCE>
POSTAL_CODE>
Method of Payment

Account No.

Title of Microarray

Delivery Date:

Accept

FIG. 9

Variable	Mean	SD	Min	Max
Age	35.2	12.5	18	65
Gender	50.0	50.0	0	100
Marital status	65.0	48.0	0	100
Education	12.5	2.5	8	16
Income	3500	1500	0	8000
Health status	75.0	25.0	0	100
Life satisfaction	60.0	20.0	0	100
Stress level	45.0	15.0	0	100
Work-life balance	55.0	20.0	0	100
Family support	70.0	30.0	0	100
Community involvement	65.0	25.0	0	100
Personal growth	50.0	20.0	0	100
Work satisfaction	60.0	25.0	0	100
Life balance	55.0	20.0	0	100
Health care access	75.0	20.0	0	100
Financial stability	65.0	25.0	0	100
Emotional well-being	60.0	20.0	0	100
Physical health	70.0	25.0	0	100
Mental health	65.0	20.0	0	100
Social support	70.0	25.0	0	100
Work-life balance	55.0	20.0	0	100
Family support	70.0	30.0	0	100
Community involvement	65.0	25.0	0	100
Personal growth	50.0	20.0	0	100
Work satisfaction	60.0	25.0	0	100
Life balance	55.0	20.0	0	100
Health care access	75.0	20.0	0	100
Financial stability	65.0	25.0	0	100
Emotional well-being	60.0	20.0	0	100
Physical health	70.0	25.0	0	100
Mental health	65.0	20.0	0	100
Social support	70.0	25.0	0	100
Work-life balance	55.0	20.0	0	100
Family support	70.0	30.0	0	100
Community involvement	65.0	25.0	0	100
Personal growth	50.0	20.0	0	100
Work satisfaction	60.0	25.0	0	100
Life balance	55.0	20.0	0	100
Health care access	75.0	20.0	0	100
Financial stability	65.0	25.0	0	100
Emotional well-being	60.0	20.0	0	100
Physical health	70.0	25.0	0	100
Mental health	65.0	20.0	0	100
Social support	70.0	25.0	0	100
Work-life balance	55.0	20.0	0	100
Family support	70.0	30.0	0	100
Community involvement	65.0	25.0	0	100
Personal growth	50.0	20.0	0	100
Work satisfaction	60.0	25.0	0	100
Life balance	55.0	20.0	0	100
Health care access	75.0	20.0	0	100
Financial stability	65.0	25.0	0	100
Emotional well-being	60.0	20.0	0	100
Physical health	70.0	25.0	0	100
Mental health	65.0	20.0	0	100
Social support	70.0	25.0	0	100
Work-life balance	55.0	20.0	0	100
Family support	70.0	30.0	0	100
Community involvement	65.0	25.0	0	100
Personal growth	50.0	20.0	0	100
Work satisfaction	60.0	25.0	0	100
Life balance	55.0	20.0	0	100
Health care access	75.0	20.0	0	100
Financial stability	65.0	25.0	0	100
Emotional well-being	60.0	20.0	0	100
Physical health	70.0	25.0	0	100
Mental health	65.0	20.0	0	100
Social support	70.0	25.0	0	100
Work-life balance	55.0	20.0	0	100
Family support	70.0	30.0	0	100
Community involvement	65.0	25.0	0	100
Personal growth	50.0	20.0	0	100
Work satisfaction	60.0	25.0	0	100
Life balance	55.0	20.0	0	100
Health care access	75.0	20.0	0	100
Financial stability	65.0	25.0	0	100
Emotional well-being	60.0	20.0	0	100
Physical health	70.0	25.0	0	100
Mental health	65.0	20.0	0	

100

FIGURE 11A

Microsoft Excel - CLinNOHRT.xls

File Edit View Insert Format Tools Data Window Help

75% 8 B I U

	D2	E	F	G	H	I	J	K	L	M	N
	POST MENOPAUSAL	63 F	CAU	10/96	NONE	NONE	UNK	NONE	UNK	UNK	SEP
27	POST MENOPAUSAL	68 F	CAU	11/7/96	HUMULIN INSULIN/ LORTAB/ NORVASE/ CYCLOSPORIN E	HYPERTENSION/ UTV DEPRESSION/ ALLERGY(PENICILLIN)/ ARTHRITIS/ DIABETES	HYSTERECTOMY	NONE	NEVER	NONE	SEP
28	POST MENOPAUSAL	61 F	CAU	11/9/96	INDURAL/ DIAZIDE/ CHOL MEDS		HYSTERECTOMY	NONE	NEVER	NONE	SEP
29	POST MENOPAUSAL	UNK F	BLK	11/9/96	BLOOD PRESSURE PILLS	HYPERTENSION	HYSTERECTOMY(1991)	NONE	NEVER	NONE	SEP
30	POST MENOPAUSAL	6/9/35	F	CAU	11/07/9 6	CIMETIDINE/ GLUCOPHAGE/ GLYBURIDE	ARTHRITIS/ DIABETES	HYSTERECTOMY (1976)	NONE	NEVER	SEP
31	POST MENOPAUSAL	1/31/15	F	CAU	11/07/9 6	ZANTAC/ ASPIRIN/ EQUATE	CARDIAC(1 BYPASS 1993)	1955	NONE	NEVER	SEP
32	POST MENOPAUSAL	9/10/15	F	CAU	11/07/9 6	NONE	NONE	1955	NONE	20 YRS AGO	SEP
33	POST	66 F	BLK	11/07/9	ANACIN	NONE	HYSTERECTOMY(1992)	NONE	NEVER	NONE	SEP

Ready

Start CD Player America D. Spofire Vis. Microsoft...

A. Raw Clinical History Data Retrieved from the Clinomics Biorepository Database.

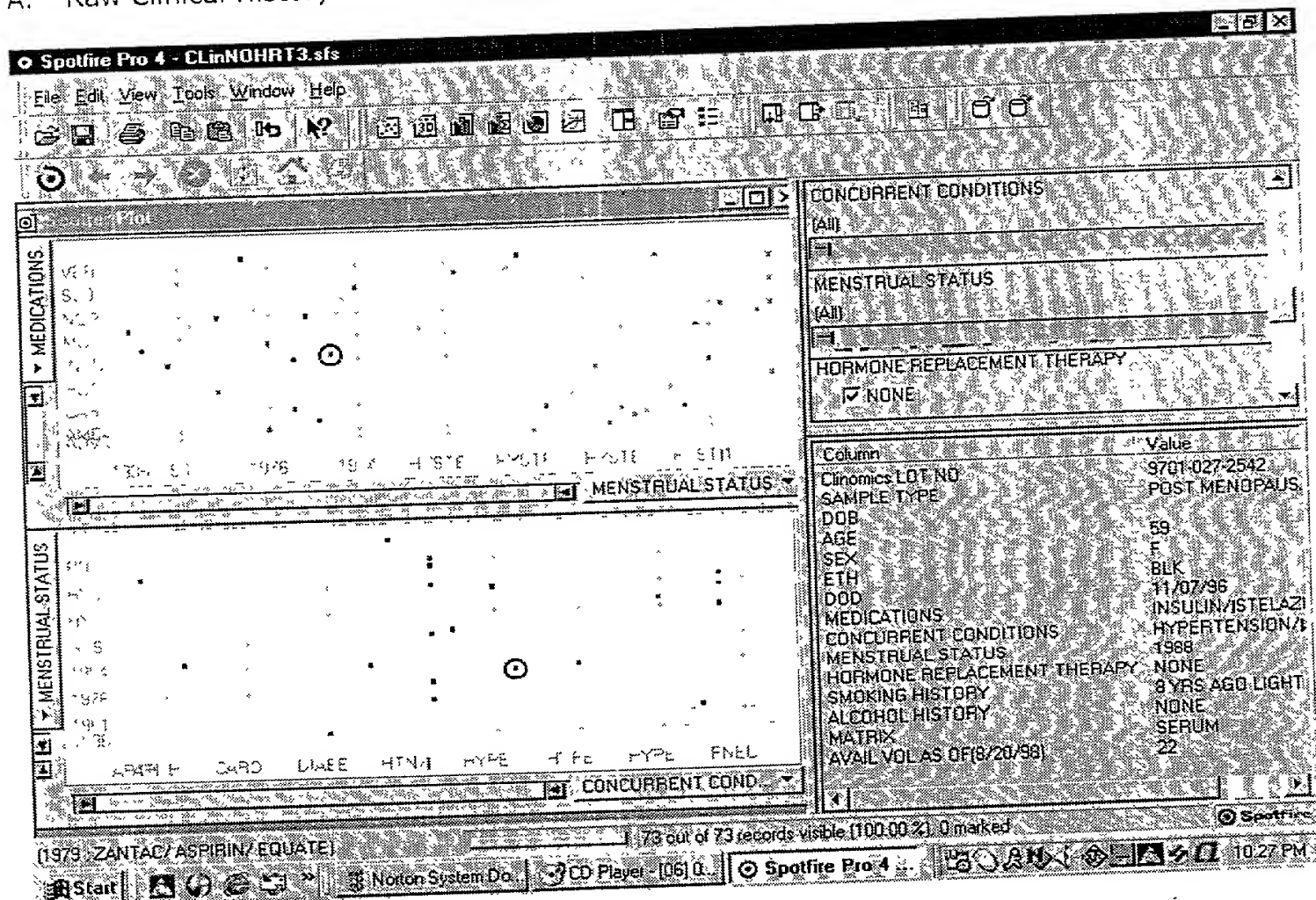


FIGURE 11B

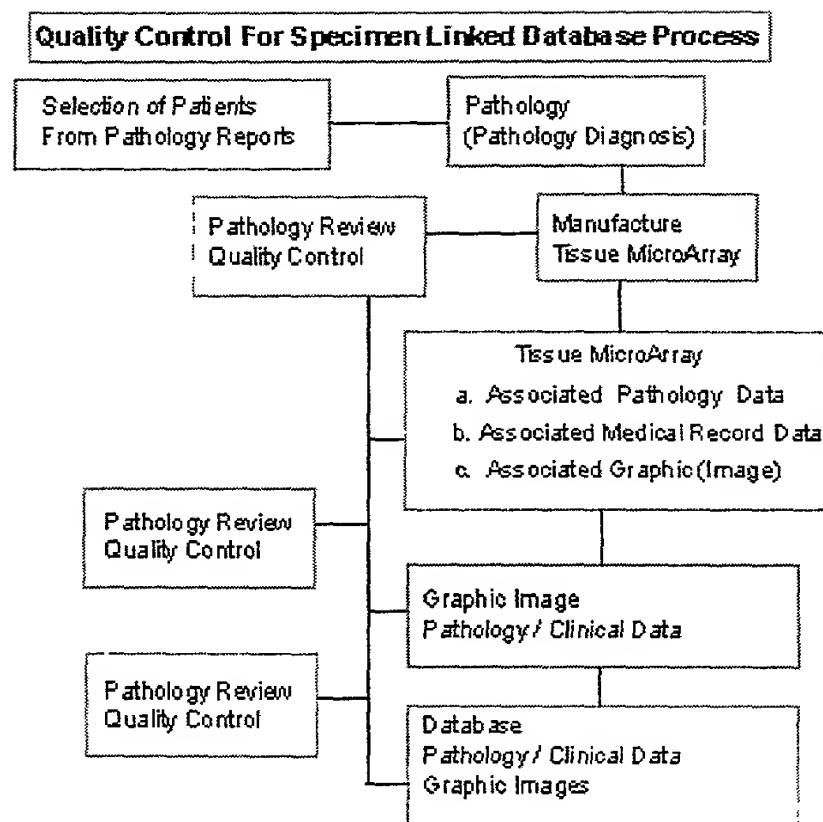


FIGURE 12

Figure 13

SNO-MED ANASITE NUMBERS							
T.02	SKIN	T.41	ARTERY,GENERAL	T.77	PROSTATE	T.Y1	TRUNK,PERINEUM
T.03	SUBCUTANEOUS TISSUE	T.42	AORTA	T.78	TESTES,TUNICA VAGINALIS	T.Y2	THORACIC,DIAPHRAGM
							MEDIASTINUM
T.04	BREAST	T.43	CORONARYARTERY	T.79	SCROTUM,SPERM CORD	T.Y3	THORACIC VISCERA
					EPIDIDYMIS,VAS DEF	T.Y4	ABDOMEN,PERITONEU
							RETROPERITONEUM
T.06	BONE MARROW	T.44	PULM. ARTERY	T.80	VULVA,LABIUM,CLITORIS	T.Y6	PELVIS
					BARTHOLINS GLAND	T.YX	PERITONEAL FLUID
T.07	SPLEEN	T.45	VERT,CAROTID,CEREBR,TEMPOR,	T.81	VAGINA,HYMEN	T.Y1	SYNOVIAL FLUID
			BASILOR ARTERIES			T.2X	UPPER RESP FLDS
T.08	LYMPH NODES	T.46	ILIAC,RENAL,MESSENTERIC ARTERY	T.82	UTERUS	T.2Y	LOWER RESP FLDS
T.09	LYMPHATICS	T.47	POPLITEAL ARTERY	T.83	CERVIX	T.6X	GI FLDS, SPACES
T.11	BONE	T.48	VEIN	T.84	ENDOMETRIUM	T.6Y	GI CONTENTS
T.12	SYNOVIUM,JOINT	T.49	VEIN	T.85	MYOMETRIUM	T.7X	URINE TRA.FLD,SPACE
T.13	MUSCLE	T.50	DIGESTIVE SYSTEM	T.86	FALLOPIAN TUBE	T.7Y	MALE GENT FLD,SPACE
T.15	CARTILADGE	T.51	MOUTH,PALATE,ORAL	T.87	OVARY	T.8X	FEM.GENT FLD,SPACE
T.16	BURSA	T.52	LIP	T.88	PLACENTA,UMBCORD	T.8Y	PLACENTA,FETAL FLD
T.17	TENDON	T.53	TONGUE	T.89	FETUS	T.XO	NERVOUS SYSTEM
T.18	LIGAMENT,FASCIA	T.54	GUM,TOOTH,GINGIVA	T.91	PITUITARY	T.YO	BODY AS A WHOLE
T.19	SOFT TISSUE	T.55	PAROTID,SALIV GLND	T.93	ADRENAL		
T.21	NOSE	T.56	LIVER	T.96	THYROID		
T.22	SINUS,ACESSORY	T.57	GALLBLADDER	T.97	PARATHYROID		
T.23	NASOPHARYNX	T.58	EXTRAHEPATIC BILE DUCT	T.98	THYMUS		
T.24	VOC. CRD,LARY,,EPIGLT	T.59	PANCREAS	T.99	ISLET OF LANGERHANS		
T.25	TRACHEA	T.60	PHARYNX	T.OX	BLOOD		
T.26	BRONCHUS	T.61	TONSIL,ADENOIDS	T.1X	FIBRO, ADIPOSE TISSUE		
					CONNECTIVE TISSUE		
T.27	BRONCHIOLE	T.62	ESOPHAGUS	T.Y8	UPPER EXTREM.		
T.28	LUNG	T.63	OMENTUM ,STOMACH,PYLORUS	T.Y9	LOWER EXTREM.		
T.29	PLEURA	T.64	SM INTEST. , DUODENUM	T.XY	EAR		
T.30	CARDIO VAS SYS	T.65	JEJUNUM,ILEUM	T.XX	EYE		
T.31	PERICARDIUM	T.66	APPENDIX	T.X1	INTRACRAN. MENINGES		
					CSF,DURAL,VENTRIC SYS		
T.32	HEART	T.67	COLON,MESSENTERY	T.X2	CEREBRAL,BRAIN		
					CORPUS CALLOSUM		
T.33	MYOCARDIUM	T.68	RECTUM	T.X3	BASAL GANGLIA		
T.34	ENDOCARDIUM	T.69	ANUS	T.X4	THALAMUS		
T.35	CARDIAC VALVE	T.71	KIDNEY	T.X5	PONS, MIDBRAIN		
T.36	TRICUSPID VALVE	T.72	RENAL PELVIS,COCCYX	T.X6	CEREBELLUM		
T.37	PULMONIC VALVE	T.73	URETER	T.X7	SPINAL CORD		
T.38	MITRIAL VALVE	T.74	BLADDER	T.X8	CRANIAL NERVE,OPTIC		
T.39	AORTIC VALVE	T.75	URETHRA	T.X9	NERVE , VAGUS NERVE		
T.40	BLOOD VESSELS	T.76	PENIS	T.YO	SCALP,ORBITAL		

T05000 SNO-MED

FIGURE 14A

SNO-MED DIAGNOSIS NUMBERS CARCINOM		
ADENOCARCINOMA	M.8143	
ADENOCARCINOMA,ANAPLASTIC	M.8233	
ADENOCARCINOMA,CLEAR CELL	M.8313	
ADENOCARCINOMA,COLLOID	M.8483	
ADENOCARCINOMA,CYSTIC	M.8443	
ADENOSQUAMOUS CARCINOMA	M.8563	
ADENOCARCINOMA,IN-SITU	M.8142	
ADENOCARCINOMA,MUCINOUS CYST	M.8473	
ADENOCARCINOMA,PAPILLARY	M.8263	
ADENOCARCINOMA,UNDIFFER.	M.8233	
ADENOCARCINOMA,SIGNET RING	M.8493	
ARRHENBLASTOMA	M.8630	
ANAPLASTIC MALIGNANCY	M.8003	
ASTROCYTOMA,GRADE 1	M.9403	
ASTROCYTOMA,GRADE 2	M.9433	
ASTROCYTOMA,GRADE 3 & 4	M.9443	
ADNEXAL CARCINOMA	M.8393	
ANAPLASTIC CARCINOMA	M.8023	
ADENOID CYSTIC CARCINOMA	M.8203	
ADAMANTINOMA	M.9310	
ALVEOLAR CARCINOMA	M.8253	
ACINAR TUMOR	M.8001	
ACINAR CARCINOMA	M.8553	
BASAL CELL CARCINOMA	M.8093	
BRONCHIOLAR CARCINOMA	M.8253	
BASALOID TRANSITIONAL CARCINOMA	M.8123	
BASAL CELL EPITHELIOMA	M.8090	
CARCINOMA	M.8013	
CARCINOMA,COLLOID	M.8483	
CARCINOMA,IN-SITU	M.8012	
CARCINOMA,PAPILLARY	M.8053	
CARCINOMA,SMALL CELL	M.8043	
CARCINOSARCOMA	M.8983	
CARCINOID,MALIGNANT TUMOR	M.8243	
CARCINOMA,UNDIFFERENTIATED METS	M.8023	
CARCINOMA,UNDIFFERENTIATED	M.8023	
CHORIOCARCINOMA	M.9103	
CARCINOID TUMOR	M.8241	
CHOLANGIOCARCINOMA	M.8163	
CHONDROSARCOMA	M.9223	
CHONDROBLASTOMA	M.9230	
CRANIOPHARYNGIOMA	M.9351	
CYLINDROMA	M.8203	
CYSTADENOCARCINOMA PAPILLARY SEROUS	M.8463	
CYSTADENOCARCINOMA, PAPILLARY	M.8453	
DERMATOFIBROSARCOMA	M.8823	
DYSPLASIA	M.7600	
DUCTAL,INFILTRATING CARCINOMA	M.8503	
EPENDYMOMA	M.9391	

TUMOR ATLAS

FIGURE 14B

EPIDERMOID CARCINOMA	M.8073			
EMBRYONAL CELL CARCINOMA	M.9073			
EPITHELIOMA	M.8110			
EWINGS SARCOMA	M.9263			
FIBROSARCOMA	M.8823			
FOLLICULAR CARCINOMA	M.8333			
GIANT CELL SARCOMA	M.8803			
GIANT CELL TUMOR	M.9040			
GRANULOSA CELL TUMOR	M.8621			
GLIOBLASTOMA, MULTIFORME	M.9443			
GLIOMA	M.9383			
GIANT CELL CARCINOMA	M.8033			
HEMANGIOBLASTOMA	M.9161			
HEPATOBLASTOMA	M.8973			
HISTOCYTOMA	M.8830			
HODGKINS	M.9653			
HODGKINS SARCOMA	M.9683			
HURTLE CELL CARCINOMA	M.8363			
ISLET CELL CARCINOMA	M.8153			
KAPOSI SARCOMA	M.9143			
LEUKEMIA, ACUTE MYELOGENOUS	M.9865			
LEUKEMIA, LYMPHOMA	M.9826			
LEUKEMIA	M.9807			
LEUKEMIA, CHRONIC LYMPHOMA	M.9827			
LEIOMYOSARCOMA	M.8893			
LYMPHOMA, LYMPHOCYTIC	M.9633			
LYMPHOMA, LYMPHOCYTIC	M.9593			
LYMPHOMA, GIANT FOLLICULAR	M.9693			
LYMPHOSARCOMA, LYMPHOCYTIC	M.9623			
LYMPHOMA, MALIGNANT	M.9593			
LYMPHOMA, HISTIOCYSTIC	M.9643			
LYMPHEPITHELIOMA	M.8083			
LYMPHOMA, T-CELL	M.9703			
LYMPHOSARCOMA, LYMPHOCYTIC	M.9613			
LIPOSARCOMA	M.8853			
LYMPHOMA, STEM CELL	M.9603			
MALIGNANT MELANOMA SPINDLE CELL	M.8773			
MENINGIOMA	M.9530			
METASTATIC CARCINOMA	M.8016			
MALIGNANT TUMOR	M.8003			
METASTATIC MALIGNANT TUMOR	M.8006			
MEDULLOBLASTOMA	M.9473			
MALIGNANT MELANOMA	M.8723			
MALIGNANT CELLS	M.6972			
MYOBLASTOMA	M.9370			
MUCOEPIDERMOID CARCINOMA	M.8433			
MALIGNANT CARCINOID TUMOR	M.8243			
MALIGNANT MESENCHYMOMA	M.8993			
MESOTHELIOMA	M.9051			
MYELOMA	M.9733			
METASTATIC MELANOMA	M.8733			

[illegible]

MALIGNANT GRANULOSA CELL TUMOR	M.8623			
MALIGNANT PHEOCHROMOCYTOMA	M.8703			
MALIGNANT MESOTHELIOMA	M.9053			
METASTATIC LEIOMYOSARCOMA	M.8893			
MESODERMAL TUMOR	M.8953			
MIXED TUMOR	M.8940			
NEUROBLASTOMA,NEUROEPITHELIOMA	M.9503			
NECROTIC TUMOR	M.5443			
NEUROBLASTOMA,NEUROEPITHELIOMA	M.9503			
OLIGODENDROGLIOMA	M.9453			
OAT CELL CARCINOMA	M.8043			
OSTEOBLASTOMA	M.9200			
OSTEOMA	M.9180			
OSTEOSARCOMA	M.9183			
OSTEOIDOSTEOMA	M.9190			
OSTEOCHONDROMA	M.9210			
PAPILLARY CARCINOMA	M.8053			
PLASMA CELL MYELOMA	M.9733			
PAPILLARY METASTATIC CYTADENOCARCINOMA	M.8463			
PAPILLARY TRANSITIONAL CELL CARCINOMA	M.8133			
RENAL CELL CARCINOMA	M.2485			
RETICULUM CELL SARCOMA	M.9643			
RENAL CLEAR CELL CARCINOMA	M.8313			
SQUAMOUS CELL CARCINOMA	M.8073			
SARCOMA,RETICULAR CELL	M.8316			
SQUAMOUS EPITHELIAL TUMOR	M.8070			
SQUAMOUS CELL CARCINOMA IN-SITU	M.8072			
SARCOMA,UNDIFFERENTIATED GIANT CELL	M.8803			
SARCOMA,RETICULAR CELL	M.9643			
SPINDLE CELL CARCINOMA	M.8033			
SEMINOMA	M.9063			
STROMAL SARCOMA	M.8933			
TUMOR	M.8001			
TUMORLET	M.8043			
THYMOMA MALIGNANT	M.8583			
TRANSITIONAL CELL CARCINOMA	M.8123			
TERATOMA	M.9081			
VERRICOUS SQUAMOUS CARCINOMA	M.8053			

FIGURE 15

BRAIN INVENTORY CLASSIFICATIONS									
PATHOLOGY	TISSUE	DOB	AGE	SEX	MEDICAL HISTORY	ICD-9-CM	DSM-IV-T	MEDICATIONS	METHO
AU-99-47	Brain (organic)	04/08/1981	18	M	Multiple traumatic injuries sustained in a motor vehicle accident: Open skull fractures, brain contusions, subarachnoid hemorrhage, pericardial tear, bilateral pneumothoraces, contusions of heart. Blood alcohol level 95 mg/dl	851.80 852.00 860.0	291.89	N/A	FFPE
AU-99-61	Brain (organic)	04/26/1972	27	F	Pregnancy induced hypertension Thyroiditis Asthma Severe pre-eclampsia Anoxic encephalopathy Intracerebral hemorrhage Hemorrhage of right putamen Hypertensive cerebral edema Diffuse anoxic changes	401.9 245.9 493.90 642.0 437.2 431 348.5	293.83	Betamethasone Magnesium sulfate Pitocin Apresoline Mannitol	FFPE
AU-99-80	Brain (organic)	12/27/1947	52	F	Breast cancer Idiopathic cardiomyopathy Chronic congestive heart failure Anaphylactic shock secondary to Taxol administration Severe hypoxia and brain death	174.9 425.40 428.00	293.83	N/A	FF
AU-99-82	Brain (psych)	09/05/1957	42	M	Chronic pain Drug abuse Severe coronary artery sclerosis Old myocardial infarction Cardiomegaly	307.89 305.90 414.00	307.89	N/A	FFPE
AU-99-84	Brain (psych)	05/10/1960	39	F	Severe chronic alcoholism Previous hospital admission for alcohol intoxication and major depression Severe ascites (4,000 ml) Hepatomegaly (liver 1,690gm) Severe cirrhosis	571.2	291.89 305.00	N/A	FFPE
AU-99-90	Brain (psych)	04/19/1962	37	M	Multiple traumatic injuries sustained in a motor vehicle accident: Avulsion of soft tissue, bone and brain. Multiple comminuted open fractures of the skull Alcohol intoxication Blood ethanol level .252 gm %				
AU-99-91	Brain (organic)	01/09/2028	71	M	Prostate cancer Squamous cell cancer of lung Ventricular peritoneal shunt secondary to progressive hydrocephalus from brain mass Hypertension Headaches Unsteady gait Mental confusion Metastatic squamous cell cancer to liver, spleen, kidneys, and brain Emphysema Atherosclerosis of coronary arteries.	185 162.9 331.3 401.9	293.83	N/A	FFPE
AU-99-93	Brain (psych)	05/01/1958	41	M	Morbid obesity Hypertension Gout Chronic pain syndrome Depression Acute myocardial infarction Acute alcohol intoxication Cardiac hypertrophy Micronodular cirrhosis	278.00 401.9 274.9 410.90 571.2	303.00 291.89	ccupril, Colchicine, Napro	FFPE
AU-99-94	Brain (psych)	#####	50	F	Ethanol abuse Hypertension Elevated liver enzymes Micronodular cirrhosis Severe ascites (5 lt) Splenomegaly Emphysema	401.9 571.2 492.8	305.00		